ROYAL AQUARIUM, WESTMINSTER.

CATALOGUE

OF

First Great National

ENTOMOLOGICAL EXHIBITION

HELD AT THE

ROYAL AQUARIUM, WESTMINSTER,

From Saturday, the 9th of March, to Saturday, the 16th of March, 1878.

LONDON:

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First Great National Entomological Exhibition.

COMMITTEE

NOMINATED BY THE ROYAL AQUARIUM SOCIETY.

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Sir Sidney Smith Saunders, C.M.G.
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Birchall, Edwin, F.L.S.
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Bridgman, J. B.
Capper, S. J.
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Prest, W.
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Stevens, Samuel, F.L.S.
Vaughan, Howard
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JOHN T. CARRINGTON.

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A. B. FARN.

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West London Entomological Society.

E. G. Meek. S. J. Burton.

Haggerston Entomological Society.

W. Harper. H. Bartlett.

South London Entomological Society.

R. Standen. F. R. Billups.

New Cross Microscopical and Natural History Society.

F. Stewart. H. A. Auld.

Hackney Microscopical and Natural History Society.

J. A. Clark. Collis Willmott.

York and District Field Naturalists' Society.

W. Prest.

ADDRESS TO THE VISITORS.

It is thought by the Committee advisable to say a few words by way of introduction to the Exhibition, especially as this is the FIRST General Exhibition of Insects.

The whole of the insects shown, excepting a few in the trade stalls, have been collected by ladies, gentlemen, and artizans in their leisure hours, for study or recreation, and not with any view to money profit.

The whole Exhibition is valued at upwards of £20,000, and the individual collections vary from £750 downwards in value.

Exhibits have been sent from all parts of the Kingdom; but especial attention is drawn to the Lepidopterous larvæ, Nos. 303 to 331. These were all preserved by the Right Hon. Lord Walsingham, who, in this branch of Natural History, stands pre-eminent.

The collection, Nos. 354 to 360, is also of great value—by far the most valuable of its kind. The Perthshire insects, Nos. 430 to 433 (exhibited by Sir Thomas Moncreiffe), are interesting as exhibiting the Scotch forms. Mr. Prest, of York (Nos. 391 to 419), also shows the northern insects in a most valuable and carefully arranged collection.

The fauna of the fen districts of Norfolk and Cambridge is well represented by Mr. Farn (Nos. 336 to 342).

As a general collection of British Moths, that of Mr. Wellman (Nos. 103 to 134) is thoroughly typical.

The magnificent collection of Exotic Butterflies exhibited by the Rev. F. Augustus Walker will at once command attention; as will also the West African and Ashantee Butterflies and gigantic Beetles shown by Mr. Swanzy.

Mr. Frederick Smith's exhibit of Bees and Wasps represents the patient collecting for some forty years, and is the most perfect collection in the country.

The British Beetles are most completely represented, Dr. Power, Mr. Samuel Stevens, and Mr. George Champion having, in the most handsome manner, placed their collections at the disposal of the Committee.

Dr. Power also exhibits his very perfect collection of British Hemiptera, or Bugs.

The whole arrangements of the Exhibition have been managed (with the assistance of the Honorary Secretary and a Sub-Committee) by Mr. John T. Carrington, Naturalist to the Royal Aquarium, who will be happy to answer all enquiries on application at his office.

Royal Aquarium,
March 9th, 1878.

CATALOGUE

OF

First Great National

ENTOMOLOGICAL EXHIBITION.

1—22. British Coleoptera: including Geodephaga, Hydradephaga, Pselaphidea, Necrophaga, Lamellicornes, Sternoci, Malacodermi, Heteromera, &c. *George C. Champion.*

23—52. British Coleoptera: an almost complete collection of the Geodephaga. A very fine collection of the Hydradephaga. A collection of the Staphylinidæ.

J. A. Power, M.D.

[These are probably the finest collections in the country.]

53—73. The fine collection of Coleoptera formed by the late Mr. Wilkinson. For Sale. *E. G. Meek.*

74, 75. Rare British Coleoptera: including Calasoma Sycophanta. *W. West* (Greenwich).

76—83. British Curculionidæ. *S. Stevens*, F.L.S.

[This is probably the most complete and extensive collection ever got together, and comprises 456 species and 6678 specimens, occupying no less than forty years in its formation.]

84. British Coleoptera. *D. Burnett.*

85. Specimens of British Coleoptera, iucluding;—
Harpalus Tenebrosus (Margate).
Staphylïnus Stercorarius (Oxford).
Pœderus fuscipes.
Melasis Buprestoides.

86. Specimens of British Coleoptera, including:—
Chrysomela Gœttengensis (Chiselhurst).
Meloë Brevicollis (Dartford).
Plagrodera Armoraceæ (near Canterbury).
Mordella Fasciata (Bagley Wood, Oxon).
Ernest George Spiers.

87. Coleoptera and Neuroptera from New Zealand.
Charles Marcus Wakefield.

88—92. British Hemiptera.
[Probably the finest collection extant.]

93. Halticidæ. *J. A. Power*, M.D.

94—98. A typical and educational collection of British insects, with ova, larvæ, and imagos. *S. J. Capper.*

99. Arachnidæ.

100, 101. Galls and Excrescences caused by Insects on Plants. *H. Hillman.*

102. Insects of Jamaica. *James John Bowrey*, F.C.S.
(Government Analytical Chemist of Jamaica).

103—134. Large collection of British Lepidoptera: including bred series of M. Artemis, mostly from Ireland; one V. Antiopa (Clapham Common), an hermaphrodite P. Alexis, yellow form of Z. Trifolii (bred), varieties of

B. Callunæ and A. Prunaria, P. Sicula, male B. Hirtaria simulating female, dark varieties of T. Crepuscularia, black varieties of T. Biundularia, and specimen of B. Fuliginaria (from spider's web at Wandsworth); also varieties of S. Clathrata, A. Grossulariata and Ulmata, A. Æsculariata, M. Tristata, S. Certata, and C. Russata.

J. R. Wellman.

135—137. British Lepidoptera: Diurni.
138—141. Ditto: Bombyces.
142—150. Ditto: Geometræ.
151—155. Ditto: Noctuæ.
156. Ditto: Deltoidæ.
157. Ditto: Crambidæ.
158—161. Ditto: Tortricidæ.
162. Ditto: Tineina (Coleophora).
163. Ditto: preserved pupæ.
164. Ditto: preserved larvæ.

G. Elisha.

165, 166. British Lepidoptera. — *Lane.*

167. Ditto. *A. W. Black.*

168. Life-history of C. Ligniperda. *D. Burnett.*

169—174. British Lepidoptera. *Haggerston Ent. Soc.*

175—179. British Lepidoptera. *Edward Barlow.*

180. British Lepidoptera. *W. Kennedy.*

181. British Lepidoptera: including varieties of L. Quercus, L. Quercifolia, A. Villica, S. Tiliæ, A. Trifolii, S. Culiciformis, C. Phlæas, T. Alveolus, S. Janira, P. Brassicæ, T. Punctaria, E. Unifasciata, and E. Bilineata.

J. Bryant.

182, 183. British Lepidoptera. *H. M. Whale.*

184. British Lepidoptera: including A. Lathonia (from Darenth Wood, 1868), D. Galii, C. Ocularis, A. Ashworthii (bred), T. Subsequa, P. Orichalcea, A. Degeneraria, &c.
W. Harper (Haggerston Ent. Soc.)

185. British Lepidoptera: including L. Dispar (pale variety), C. Diluta and variety, L. Albipuncta, T. Subsequa, E. Fulvago (specimen taken at Highgate Wood, August, 1870); web formed by larvæ of E. Elutella, and specimens of imagos. *F. Bartlett* (Haggerston Ent. Soc.)

186. British Lepidoptera; including hermaphrodite C. Edusa; also rich specimens of variety Helice and a remarkable V. Urticæ (variety, with confluent spots), P. Monacha (variety), C. Hera (taken on a lady's dress at Brighton), P. Orichalcea (from Sussex), C. Celerio (two, Brighton), S. Populi (pale variety), D. Livornica (Brighton), A. Alni (Warwickshire), S. Sacraria (two, Hampshire), S. Decrepitalis (Perthshire), L. Corydon and Agestis (varieties); and the specimen of Argynnis named by the late Mr. Doubleday as Niobe, with correspondence thereon.
Rev. Windsor Hambrough, M.A.

187—190. British Lepidoptera:—

[No. 187. Sesiidæ: including seven yellow-banded specimens of Culiciformis; also Spheciformis (from Tilgate Forest).

No. 188. Notodontidæ, and dark varieties of C. Curtula (from Faversham); larvæ fed on balsam poplar.

No. 189. A. Iris and larva (Kent).

No. 190. V. Antiopa (ten—five from Norfolk, three from Yorkshire, one from Leicestershire, and one from Essex).] *G. W. Bird.*

191, 192. Specimens of British Lepidoptera, including very remarkable varieties.

[No. 191. The varieties of C. Duplaris and Or, M. Abjecta, A. Cursoria and Lucernea, T. Orbona, C. Erythrocephala, D. Conspersa, and H. Protea, in this case, are worthy of especial notice.

No. 192 contains fine series of varieties of C. Russata, Immanata, Suffumata, Silaceata, Prunata, and a specimen of Reticulata.]

Howard Vaughan.

193. A remarkable collection of varieties of the genus Polyommatus.

Lycæna Ægon, including dwarf varieties, blue and brown forms of the female, a pale variety of the male, and one hermaphrodite having the wings on the right side male and on the left female.

L. Alexis, with numerous varieties, especially of the under side, and twe hermaphrodites, both with the wings on the left side male and on the right side female.

L. Adonis, with numerous varieties of both upper and under sides; also two females having streaks of the male colouring.

L. Corydon, with numerous varieties, blue and brown forms of the female; a female partaking of the male colouring.

C. A. Briggs.

194—196. British Lepidoptera: Diurni.

[No. 194 contains a striking variety of C. Edusa; the right side is the variety Helice, while the left is the type Edusa. Also another striking variety; the anterior wings Helice, the posterior wings Edusa. Also variety of C. Hyale.

No. 195 contains A. Paphia, variety Valezina, A. Lathonia, and bred series of M. Artemis.

No. 196 contains Satyridæ, with English and Scotch forms of C. Davus.] *Walter P. Weston.*

197—199. British Diurni and Nocturni. *W. Wells.*

200. British Lepidoptera: including fine specimens of C. Edusa and variety Helice. *W. H. Kennell.*

201. British Lepidoptera; including genera Colias and Argynnis.

202. Ditto; including genera Smerinthus and Acherontia.

203. Ditto; including genera Callimorpha and Chelonia.

204. Ditto; including genera Selenia, Ennomos, and Nyssia.

205. Ditto; including genera Lobophora, Thera, Ypsipetes, and Melanthia.

206. Ditto; including genera Dasycampa, Xanthia, and Tethea. *A. H. Jones.*

207—210. Grecian Hymenoptera from Briars, their parasites and larvæ, showing their galleries and cells.

Sir Sidney Smith Saunders, C.M.G.

211—222. Brit. Hymenoptera (Ants, Fossores, Wasps & Bees).

[This is probably the most complete collection of British Hymenoptera known; it represents the result of forty years' collecting.]

223. Foreign Hymenoptera, &c. *Frederick Smith.*

224, 225. Aculeate Hymenoptera. *C. H. Goodman.*

226. British Hymenoptera.
C. H. Maplestone (West London Entomological Society).

227, 228. Foreign Lepidoptera. *A. Wailly.*

229—232. Insects of Jamaica.
John James Bowrey, F.C.S.
(Government Analytical Chemist of Jamaica).

233. Brazilian Lepidoptera. *C Oldham.*

234—237. Four drawers of Exotic Lepidoptera: (1) Danainæ, (2) Heliconinæ, (3) Morphinæ, (4) Miscellaneous. Particular attention is drawn to the beautiful Morpho Cypris: and to the imitative resemblance or mimicry existing between the Danainæ and Heliconinæ.
J. Jenner Weir, F.L.S.

238. Mexican Lepidoptera.
J. A. Clark (Hackney Micros. & N. H. Soc.)

239. Foreign Lepidoptera.
J. T. Norman (Hackney Micros. & N. H. Soc.)

240. Exotic Lepidoptera. *C. T. Weston.*

241, 242. Lepidoptera: Rhopalocera and Heterocera.
Walter de Rothschild.

243. South American Butterflies; including Morpho Cypris, &c. *E. G. Meek.*

244—250. Foreign and British Lepidoptera.
T. Cooke & Son.

251—256. Lepidoptera of West Africa.
A. Swanzy, F.L.S.

[Three drawers containing illustrations of protection to butterflies by their resemblance to other butterflies, which, from causes well known to

naturalists, are never, or very rarely, eaten by birds or other insectivorous creatures. The butterflies so mimicked belong chiefly to the group of the Danaidæ and Acræidæ, the individuals appertaining to these groups being distasteful to insectivorous animals from their emitting an extremely unpleasant odour, similar to that emitted by the lady-bird beetles, this odour being in both cases accompanied—and probably caused—by a yellow liquid secreted by the insects on being touched.

No. 252.—The first row contains male specimens of Diadema Bolina; the four upper insects of the second row are females of Diadema Bolina; the four lower being specimens of Danais Alcippus. The nine insects on the right include one male and three female specimens of Acrea Gea in the middle, mimicked by both sexes of Panopea Hirce, of which one male and two female specimens are placed at the top, and by two females of Papilio Cynorta at the bottom.

No. 254.—The row of insects on the right includes five specimens of Diadema Damoclina at the top, and three of Danais Damocles below them.

No. 256.—The first row of insects, commencing from the left, are the males of Papilio Merope; the three upper insects in the second row are females of Papilio Merope, found only on the Gold Coast and adjacent districts; the three insects under them being specimens of Danais Niavius—a species very numerously represented where this variety of the female of Papilio

Merope is found. The insect at the bottom of the second row is Danais Echeria, rarely found on the Gold Coast, but abundant in the Natal districts, where the female of Papilio Merope closely resembles it.

Thus these three cases contain three illustrations of mimicry by female insects only, and two by both sexes. It must be added that butterflies belonging to the genera Papilio, Diadema and Panopea, when not protected as above, are eagerly attacked and eaten by birds, &c.

257—262. Magnificent selection of the Coleoptera of West Africa. *A. Swanzy*, F.L.S.

263—302. Very Magnificent collection of Rhopalocera: including sixteen species of Ornithopteras, and one hundred and eighty-five species of Papilios. [Ornithopteras occur only in the Old World; Papilios in both hemispheres.]

[No. 263 contains seven males and two females of O. Crœsus, so named from the male resembling gold-leaf on black velvet.

No. 265 contains perfect males of the beautiful and rare Brookeana, named by its discoverer, Mr. Wallace, after the celebrated Rajah Brooke, of Sarawak, of which district this insect is a native.

No. 270 contains examples of the rare P. Semperi, from Mindanao.

No. 271 contains specimens of the only Papilio (P. Machaon) occurring in England.

No. 276 contains Papilio Zagreas and Pausanias—examples of what has been termed "natural mimicry." A brief explanation of this fact is that butterflies of one genus which is pleasant food for birds are produced, in size, shape, colour, and markings, almost precisely similar to butterflies of another genus which exhale an odour distasteful to birds. The two species mentioned above mimic two common species of the genus Heliconius.

Nos. 281, 282 and 283 contain South American Papilios. The green colour of the males is in many instances replaced by white in the female.

No. 283 also contains the very rare P. Gundlachianus, from Cuba.

No. 285 contains four specimens of the beautiful Papilio, Zalmoxis, from West Africa.

No. 286 contains two singular butterflies from the Himalayas, viz., P. Payani (in colour like a withered leaf). The cream-coloured butterflies from Africa and Madagascar in this drawer possess this peculiarity, that the female is sometimes cream-coloured and tailed like the male, and in other instances white and tawny, and tailless as in the female named Dionysos. In this case also is exhibited Teinopalpus Imperialis, a green mossy-looking butterfly, which, from the length of its palpi, has been separated from the true Papilios.

Nos. 289—291. The green and blue metallic butterflies here exhibited inhabit the East Indies.

Nos. 292—294 contain curious varieties, some tailed,

some tailless, some marked with white, others not, of Papilio Memnon.

No. 302 contains specimens of P. Demoleus and Erithonius, which are closely allied. The former occurs in Africa and Madagascar; the latter is confined to Asia and Australia.]

Rev. F. A. Walker, M.A.

303—331. Very magnificent collection of British Lepidoptera; containing specimens of the larvæ, pupæ and imagos of upwards of 368 species.

[Probably the finest examples of preserved larvæ in the country.]

Preserved and exhibited by Lord Walsingham.

332—335. Life-histories of British Lepidoptera. *T. Eedle.*

335A. 'ENTOMOLOGIST' for March, 1878. The chief medium of intercourse amongst Entomologists. [See advertisement.]

336—342. British Lepidoptera, principally fen species.

No. 336. A series of C. Edusa *var.* Helice.

No. 337. A black variety of A. Galathea (*A. B. Farn*). A fine variety of H. Paniscus (*Loftus Fox*).

No. 338. Meliana Flammea, Senta Ulvæ, Nonagria Brevilinea and Neurica, melanic specimen of Nonagria Typhæ, Hydrilla Palustris, Nascia Cilialis, Bankia Argentula (Cambridge Fens), and Cidaria Reticulata.

No. 339. Triphæna; including Subsequa, Orbona *var.* Curtisii, and curious varieties from the Isles of Scilly.

No. 340. Catocalas.

No. 341. Varieties of seventy species of Heterocera. An extraordinary hermaphrodite of C. Curtula; the right female side ordinary type; the right male side being a dark chocolate variety is worthy of notice.

No. 342. Crambidæ; including Schœnobius Mucronellus and Gigantellus and Myelois Ceratoniæ.

A. B. Farn.

343—352. A very fine collection of British Tortrices.

353—360. British Tineina, especially rich in specimens of Coleophora and Nepticula.

361. Grand series of extraordinary varieties of C. Edusa.

P. H. Harper, F.R.C.S.

362, 363. British Lepidoptera. [Very complete collection of the genus Eupithecia, the fine long series of which are especially noticeable.] *Dr. Battershell Gill.*

364. British Lepidoptera. — *Potter.*

365. Ditto. *E. Anderson.*

366, 367. Ditto. *E. W. Timms.*

368. Ditto. *W. L. Reed.*

369, 370. Ditto. *E. Smith.*

371. Ditto. — *Yeo.*

372. Ditto. *J. W. Russell.*

373. Ditto. *W. L. Reed.*

374. Specimens of silk-producing Bombyces. *A. Wailly.*

375—383. Cingalese insects. *Mrs. Skeen.*

384. Case of Books.

Fine copy of Moses Harris's 'AURELIAN: a Natural History of English Moths and Butterflies;' with coloured plates. *R. S. Standen.*

Albin's 'Natural History of British Insects.'

Rev. H. Harpur Crewe, M.A.

'Le Monde des Papillons.' *R. S. Standen.*

385. Specimens of H. Armigera and Scutosa, N. Flammatra, L. Dumerili, and M. Unionalis. *W. H. Thornthwaite.*

386. Produce of silk-worms. *Percy Bannister.*

388. Specimens of British Lepidoptera, which occur from January 1st to March 9th.

389, 390. Selections from the old collection of British Lepidoptera formed by the late Mr. Ingall, and now in the possession of St. Bartholomew's Hospital.

W. H. Gaze.

391—418. British Lepidoptera; including local form of L. Helveola, varieties of E. Vespertaria, and one specimen of female having one wing with the markings of the male, one specimen of E. Extensaria (Yorkshire, 1873), one E. Mæniata (Yorkshire, 1866), specimens of V. Antiopa (Yorkshire, 1872), remarkable varieties of E. Albipunctata, a bone-coloured P. Linea (York), and specimens of N. Brevilinea, A. Alni, Z. Conformis, D. Albimacula, C. Fraxini, &c.

419. Web spun by larvæ of Ephestia Elutella, between seven and eight feet long and four feet wide.

York and District Field Naturalists' Society (represented by W. Prest).

420. Fifty Photographs of varieties of A. Grossulariata.

C. S. Gregson.

421. British Lepidoptera; including specimen of C. Nerii taken at Hemel Hempstead, October 12th, 1876; olive-banded variety of B. Quercus (Huddersfield); white varieties of P. Phlæas and C. Suffumata; varieties of C. Caja, A. Grossulariata, C. Dominula, &c.
G. T. Porritt, F.L.S., and *J. Varley*.

422—427. British Lepidoptera; including specimens of Cymatophoræ and Acronyctæ, C. Fluctuosa and Ocularis, A. Strigosa, Alni and Myricæ. Specimens of Xanthiæ (many varieties). British Geometræ; variety of V. Maculata; varieties of A. Hispidaria, B. Abruptaria, and A. Betularia; varieties of T. Crepuscularia and G. Obscurata. *J. A. Clark* (Hackney Micros. & N. H. Soc.)

428. Drawings illustrating Life-Histories of British Lepidoptera. *C. S. Gregson*.

429. British Butterflies. *T. Cooke & Son*.

430—433. Cases of Scotch Lepidoptera, illustrative of the Fauna of Perthshire.
Sir Thomas Moncrieff, Bart., & W. Herd.

434—437. Specimens of British Diurni. *H. A. Auld*.

438—442. Collection of British Lepidoptera, occurring in a garden at Wimbledon. *N. C. Tuely*.

443—451. A very complete collection of British Butterflies. [This is especially rich in varieties.] *S. Stevens*, F.L.S.

452—458. British Macro-Lepidoptera, showing Life-histories (preserved larvæ, pupæ, &c.) *F. C. & H. J. Adams*, F.E.S.

459—464. British Micro-Lepidoptera.
F. C. & H. J. Adams, F.E.S.

465. Drawer of Tortrices; comprising Halias, Sarrothripa, Tortrix Dumetana, Transitana, Cinnamomeana, Branderiana, and others; Dichelia Amphysa and Ænectra Pilleriana.

466. Drawer of Tortrices; comprising Leptogramma, Peronea Maccana, Umbrana, Tristana, and others; Teras; Dictyopteryx Lorquinana, Argyrotoza, Ptycholoma and Ditula.
W. P. Weston.

467—470. Specimens of British Lepidoptera. *R. S. Standen.*

471, 472. British Lepidoptera. *Unnamed.*

473—476. British Lepidoptera. *E. Dow.*

477—482. British Tortrices.
[In this collection are exhibited specimens of Leptogramma Scabrana, bred from eggs of the so-called species Boscana.] *W. West.*

483—492. One drawer of Crambidæ; nine drawers of British Tineidæ. Each species mounted on a cork tablet, so that re-arrangement can be easily effected without the risk of injury to the specimens. *J. Jenner Weir*, F.L.S.

493. British Lepidoptera: including S. Sacraria, and larvæ of S. Fagi.
Rev. Bernard Smith, T. C. Parker, & F. N. Jackson.

494—500. Large collection of British Lepidoptera:—
[No. 494—495. Lepidoptera from south-west coast of Ireland.
No. 496—498. Lepidoptera from Rannoch, Perthshire.
No. 500. Lepidoptera from Norfolk fens.
E. G. Meek.

501, 502. Life-histories of Lepidoptera.
A. H. Barker (Hackney Micros. & Nat. Hist. Soc.)

503—508. Various British Lepidoptera. *J. A. Clark.*
[In No. 506, drab variety of S. Populi.]

509. Foreign Lepidoptera. *T. Gurney.*

510—514. British Lepidoptera. *T. Cooke & Son.*

515, 516. Various British Lepidoptera.
C. Oldham (Hackney Micros. & N. H. Soc.)

517. Lepidoptera from Epping Forest. *H. R Jackson.*

518. Lepidoptera of Hackney. *A. J. Rose.*

519. British Lepidoptera. *O. C. Goldthwaite.*

520. Dissection of Leucanus Cervus. *Dr. Kibbler.*

521. British Lepidoptera (varieties). *C. Oldham.*

522. Lepidoptera on their food-plants. *W. Wilson.*

523. Stumps of wood, showing ravages of Cossus Ligniperda larvæ. *Dr. Lowe.*

524, 525. Larvæ and imagos of eighty-seven species of Lepidoptera; many species also showing the pupæ and parasites. *E. G. Meek.*

526—528. British Lepidoptera; including one P. Daplidice (from Ewell), L. Arion (*Isle of Wight*), one D. Livornica, and specimens of D. Euphorbiæ (*bred from pupæ from West Wickham Wood*).
J. L. Shadwell & Walter Robinson.

529—531. Life-histories of British Lepidoptera (Economic Entomology, &c.) *R. L. Davis.*

532. Case of Galls. *T. R. Billups.*

533, 534. Two cases of Galls. *T. R. Billups.*

535—554. Very fine collection of British Pyrales, Crambites, Tortrices, Tineina, and Pterophori, containing many beautiful and rare species. Collected after close of day's work. *W. Machin* (Hackney Micros. & N. H. Soc.)

555—557. Hybernating larvæ of A. Scutulata, Rusticata, and Immutata, showing method of breeding.
H. Bartlett (Haggerston Ent. Soc.)

558—560. Live cocoons of silk-producing Lepidoptera.
A. Wailly.

561—567. Seven orders of insects, illustrating their transformations, with larvæ and imagos. *T. Eedle.*

569. Comb of Vespa Vulgaris, with hybernating females.
— *Trew* (Haggerston Ent. Soc.)

570. Case of living larvæ of C. Villica. *W. L. Reed.*

571. Dissections of insects in spirits of wine. *W. L. Ranger.*

572, 573. Wax Models of Larvæ of Lepidoptera. For Sale.
Charles Brazenor (39, Lewes Road, Brighton).

Himalayan Butterflies, collected in Nepaul.

Lepidoptera, chiefly South American.

[The above contain specimens of Papilionidæ, Pieridæ, Argynnidæ, Nymphalidæ, Lycænidæ, &c. Amongst them may be mentioned a beautiful specimen of Teinopalpus Imperialis and of Papilio Krishna, examples of P. Arcturus, P. Ganesa, P. Paris, P. Polyctor, and P. Philoxenus, and many curious varieties of the ever-varying females of P. Pammon.]

General G. Ramsay.

Specimens of Doryphora Decemlineata (Colorado Beetle).

T. Coles (Hackney Micros. & Nat. Hist. Soc.)

Specimens of D. Pulchella.

T. K. Crossfield (Hackney Micro. & N. H. Soc.)

Eight Glasses of living specimens of Water Insects.

Collis Willmott (Hackney Micro. & Nat. Hist. Soc.)

Case of living Italian Bees. Bee-hives, specimens of produce, and Honey Extractor.

G. Neighbour & Sons (127 High Holborn, and 149 Regent Street).

MICROSCOPES.

1. Microscope, shewing Entomological objects.
George Trevor Collingwood.

2. Ditto ditto *Alfred Lloyd Corbett* (Quekett Micros. Club).

3. Ditto ditto *George Dannatt* (Greenwich).

4, 5. Ditto ditto *Messrs. Hunter & Sands.*

6. Ditto ditto *W. G. Ranger.*

7. Ditto ditto *Frederick Reeve* (Quekett Micros. Club and South London Micros. Soc.)

8. Ditto ditto *J. H. Stanley.*

9. Ditto ditto *Francis J. Taylor*, M.D.

10. Ditto ditto *A. S. Vince.*

11. Ditto ditto *George Willcocks.*

12. Ditto ditto, showing Insects mounted without pressure.
Frederick Enock.

13. Ditto ditto, shewing Scales of Lepidoptera.
George Brook.

14. Ditto ditto, *J. A. Clark* (Hackney Micr. & Nat. Hist. Soc.)

15. Ditto ditto *J. D. Hardy* „ „

16. Microscope, with Entomological Objects.
T. R. Duggan (Hackney Micros. & Nat. Hist. Soc.)

17. Ditto ditto *F. L. Waterman* ,, ,,

18. Ditto ditto — *Ashbridge* ,, ,,

19. Ditto ditto *T. K. Crossfield* ,, ,,

20. Ditto ditto *Dr. R. C. Kibbler* ,, ,,

21. Ditto ditto *W. Ives* ,, ,,

22. Ditto ditto *C. T. Oddis* ,, ,,

23. Ditto ditto *Dr. Riley* ,, ,,

24. Ditto ditto *Dr. A. Kibbler* ,, ,,

25. Ditto ditto *G. B. Holmes* ,, ,,

26. Ditto ditto *Collis Willmott* ,, ,,

27. Ditto ditto *W. H. Collins.*

28. Ditto ditto *H. Williams.*

29. Ditto ditto *F. Colsell.*

30. Ditto ditto *Dr. J. Sequirea* (Hackney Microscopical and Natural History Society).

31. Ditto ditto *W. Fairservice* ,, ,,

32. Ditto ditto *W. Norman* ,, ,,

33. Ditto ditto *M. Morginie* ,, ,,

34. Glass Case, with Microscopes and Apparatus.
James Swift.